

**AMENDMENT TO THE CLAIMS:**

Please amend the claims as follows:

1. (Currently Amended) An OLED device ~~having at least one pixel~~, comprising:  
at least one pixel;

a planar light coupling layer having a front surface and a back surface, said layer having a thickness  $T$ ,

a light emitting portion for each pixel, disposed on the back surface of the light coupling layer; and

a microlens for each pixel, having a radius of curvature  $R$ , disposed on the front surface of the light coupling layer such that its ~~centre~~ center of curvature is within the light coupling layer,

wherein the radius of curvature  $R$  and the thickness  $T$  are such that  $R = xT$ , where  $x$  has a value in the range from 0.2 to 0.8.

2. (Currently Amended) An OLED device according to claim 1, being a bottom emitter in which the light coupling layer is a planar substrate, and comprising:

a planar substrate having a front surface and a back surface, said substrate having a substrate thickness  $T$ ;

a light emitting portion for each pixel, disposed on the back surface of the substrate;  
and

a microlens for each pixel, having a radius of curvature  $R$ , disposed on the front surface of the substrate such that its ~~centre~~ center of curvature is within the substrate, wherein

the radius of curvature  $R$  and the substrate thickness  $T$  are such that  $R = xT$ , ~~where  $x$  has a value in the range from 0.2 to 0.8.~~

3. (Currently Amended) An OLED device according to claim 1, being a top emitter in which the light coupling layer is an encapsulating layer, and comprising:
- a planar substrate having a front surface and a back surface;
  - a light emitting portion for each pixel, disposed on the front surface of the substrate;
  - an encapsulating layer disposed over the light emitting portion and on the front surface of the substrate, the encapsulating layer having a front surface and a back surface, said encapsulating layer having an encapsulant thickness  $T$ ; and
  - a microlens for each pixel, having a radius of curvature  $R$ , disposed on the front surface of the encapsulating layer such that its ~~centre~~ center of curvature is within the encapsulating layer;
- ~~wherein the radius of curvature  $R$  and the encapsulant thickness  $T$  are such that  $R = xT$ , where  $x$  has a value in the range from 0.2 to 0.8.~~

4. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the microlens is ~~centred~~ centered over the light emitting portion.

5. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein  $x$  is in the range from 0.4 to 0.6.

6. (Original) An OLED device according to claim 5, wherein x is in the range from 0.45 to 0.6.

7. (Original) An OLED device according to claim 6, wherein x is in the range from 0.47 to 0.55.

8. (Original) An OLED device according to claim 7, wherein x is in the range from 0.49 to 0.55.

9. (Original) An OLED device according to claim 8, wherein x is 0.5.

10. (Currently Amended))An OLED device according to ~~any of claims~~ claim 1 to 9, wherein the microlens is a planoconvex lens.

11. (Currently Amended) An OLED device according to ~~any of claims~~ claim 1 to 9, wherein the microlens is a Fresnel lens.

12. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the light coupling layer is of a material having a refractive index in the range from 1.40 to 1.60.

13. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the microlens is of a material having a refractive index in the range from 1.40 to 1.60.

14. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the material of at least one of the light coupling layer ~~or of~~ and the microlens, ~~or of both~~, is glass or polycarbonate.

15. (Original) An OLED device according to claim 14, wherein the material is glass having a refractive index in the range from 1.49 to 1.53.

16. (Currently Amended) An OLED device according to ~~any preceding~~ claim 1, wherein the light coupling layer defines an array of pixels having a pixel pitch  $P$ , and each microlens is disposed on the front surface of the light coupling layer such that its ~~centre~~ center of curvature within the light coupling layer is at, or at a distance  $D$  from, the front surface of the light coupling layer such that  $D = zT$  wherein  $D = R\sqrt{1 - 1/(2y^2)}$ ;  $y$  is defined by  $R/P$ ; and  $z = 0.2-0.8$ .

17. (Original) An OLED device according to claim 16, wherein the thickness  $T$  and the pixel pitch  $P$  are such that  $T = aP$ , where  $a$  has a value in the range from 0.4 to 2.5.

18. (Original) An OLED device according to claim 17, wherein the pixel pitch  $P$  is in the range from 0.2 to 0.4 mm and the thickness  $T$  is in the range from 0.3 to 1.0 mm.